

## ABSTRACT

A particulate sealant for forming plugs in selected cells of honeycomb structures and consisting essentially, by weight, of about 70 to 90% ceramic blend, the ceramic blend being raw ceramic materials selected to form a composition consisting essentially of in percent by weight about 12 to 16% MgO, about 33 to 38%  $\text{Al}_2\text{O}_3$ , and about 49 to 54%  $\text{SiO}_2$ , which will form cordierite ( $2\text{MgO} \cdot 2\text{Al}_2\text{O}_3 \cdot 5\text{SiO}_2$ ) on firing, and about 10 to 30% binder system comprising a thermoplastic polymer capable of forming a gel or a thermosetting resin.

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